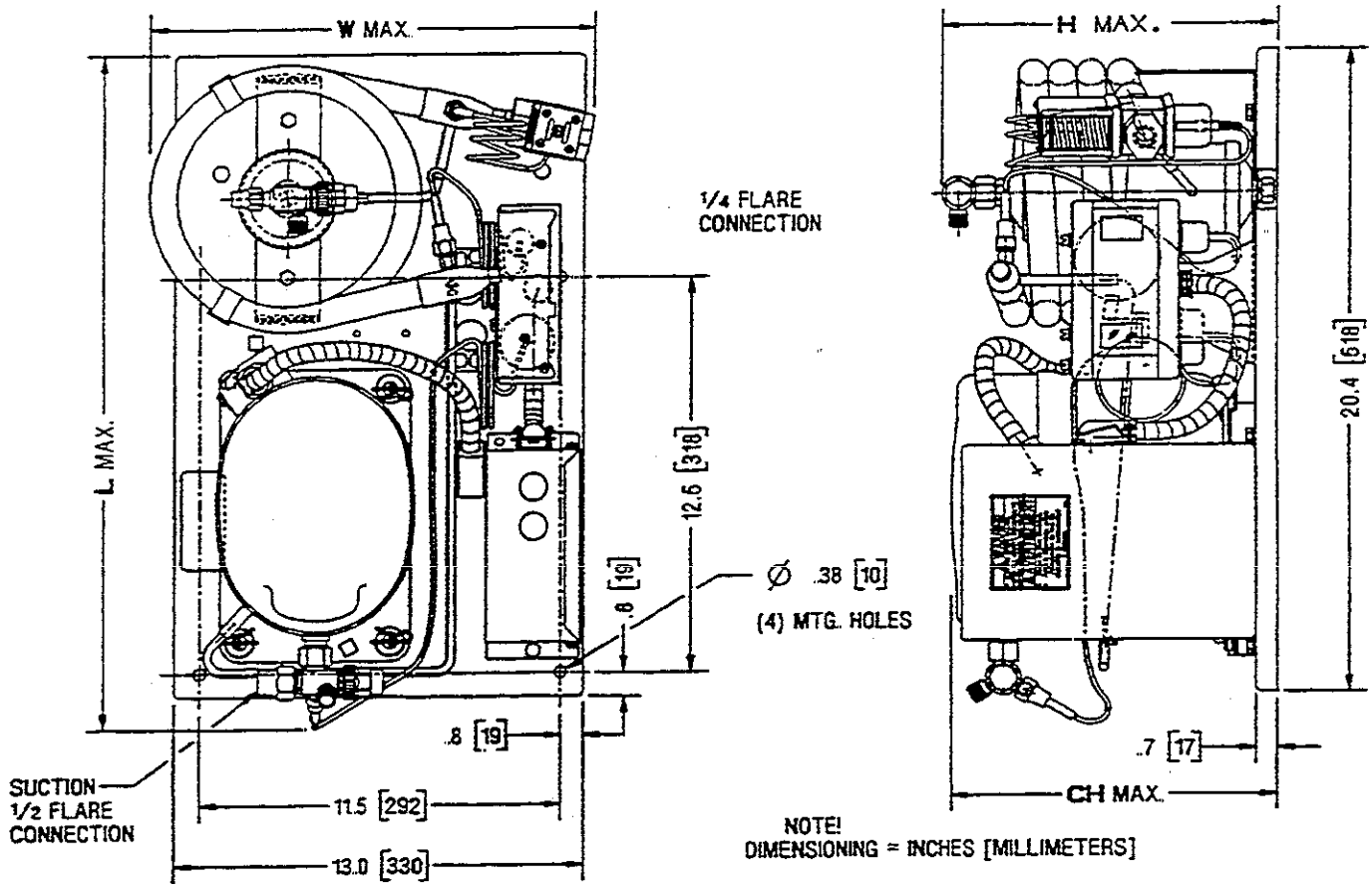
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-12-95

MODEL AKA4475Y**XW (Formerly AK4475YW) R134a 5/8 HP WATER COOLED



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.			
AKA4475Y**XW	21.4	14.0	10.5	10.1	1/2 F	1/4 F	2.0#	17	82

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**
Use 3/8" min. pipe size. Water valve inlet 3/8" NPT.

PERFORMANCE: Ambient 90°F–Return Gas 65°F–Condenser Water In 75°F–Head 135 psig					
Evaporator Temp °F	+20	+30	+40	+45	+50
BTU/HR.	3800	5050	6600	7500	8400
Water Usage - gpm	.30	.48	.68	.80	1.2
Watts	584	650	710	735	760

The water valve should be adjusted to maintain a maximum of 95°F water outlet temperature in order to minimize water scaling within the condenser.

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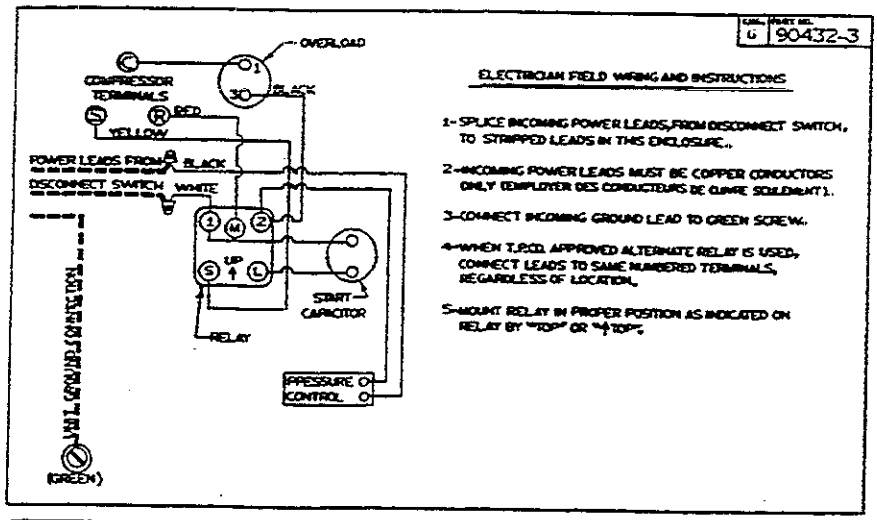
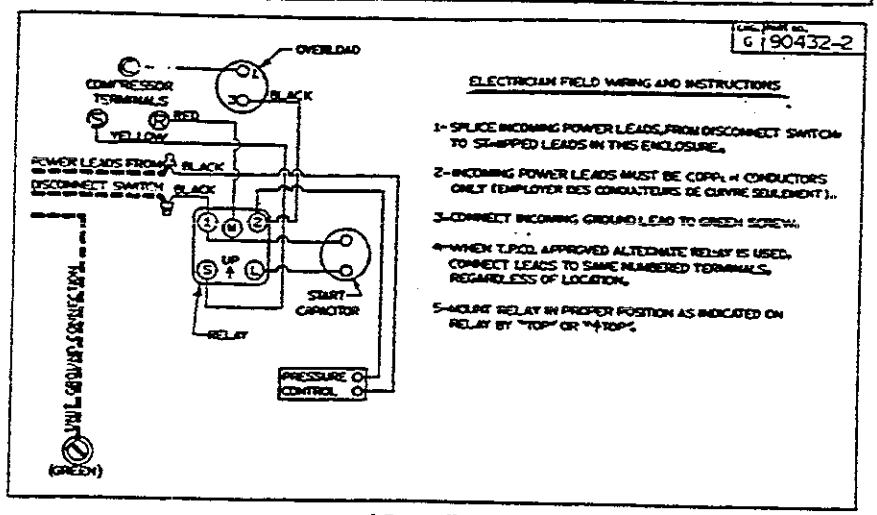
SPECIFICATIONS	AKA4475YXAXW	AKA4475YXDXW
Nominal Voltage	115-60-1	230/208-60-1
Unit B/M	2D294-1	2D295-1
Voltage Range	127 to 103.5	253 to 187
Min. Circuit Ampacity	11.9	6.0
Max. Fuse Size (Amps)	15	15
Compressor Model	AKA4460YXA	AKA4460YXD
Bill of Material	AK168AT-038-P2	AK168ET-038-P2
RLA/LRA	9.50/48.0	4.80/23.0
Overload	8300MRAG17	8300MRPG19
Relay Box Assy.	AE1197-066A	AE1197-067A
Relay	82498-1	82484-1
Cap. Start	85PS165A53	85PS330C50
Rating	161-193/165	72-88/330
Water Valve Regulator		56516
Pressure Controls --(Dual)		84056, 84056-1
Condenser		50812
Receiver Tank		51080-1
Receiver Tank Valve		31584
Unit Drawing		SU1909-41
Schematic or Elect. Dwg.		90432-3 (115)
		90432-2 (230)


G 90432-3
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
WHITE
START CAPACITOR
RELAY
PRESSURE CONTROL
(GREEN)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1-SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2-INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT).
3-CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4-WHEN T.P.C.O. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5-MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "↑TOP".


G 90432-2
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
BLACK
START CAPACITOR
RELAY
PRESSURE CONTROL
(GREEN)
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J.L. Listed ----------File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA Filem #8873C